



THE MOSQUITO ERADICATOR

CASE STUDY: TGCOCT17-GOLF

Who: Timberton Golf Club, Ron Hickman
What: Timberton Golf Club officials requested Spartan Mosquito treat its 7109 yard course and surrounding 200 plus community homes
Where: Hattiesburg Mississippi Forest County
When: Early-August through early-November 2017
Why: To increase the enjoyment of the golfing community

Discussion:

The Golf Club and surrounding community include over 80 acres of water features including ponds, streams, and stagnant water areas. 150 kits of Spartan Mosquito Eradicators were deployed throughout the entire golf course property. The retail cost of these kits is as little as \$3000 USD / \$1000 USD per month for the course.

The number of mosquito bites (or landings) and their times were recorded over a 10 minute interval in problem areas throughout the course. At the deployment time, counts averaged 14 bites every 10 minutes in infestation areas. For the following three (3) months these counts were conducted at two week intervals never exceeding 1 landing/bite. To date, this is the most effective, most-economical, longest-lasting mosquito control method for a golf course and its surrounding community.



SPARTAN MOSQUITO

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CASE STUDY: CSSF720FRM

Who: Steele Farms Manager, Mark Goss
What: Steele Farms Manager requested Spartan Mosquito response to Mosquito Infestation
Where: Steele Farms Shop (Hollandale Metropolitan Area) Washington County Mississippi
When: Mid-July through late-November 2016
Why: Eradicate Mosquitos to increase productivity of workers

Discussion:

The only proven scientific method for deducing mosquito activity is to count mosquito bites. The number of mosquito bites (or landings) and their times are recorded over a certain period of time by a certified researcher.

The day zero, ground zero counts in Hollandale in a four-acre mosquito study was 16 mosquito bites (or landings) in three minutes.

Spartan Mosquito deployed enough eradicators to effectively control mosquitoes for four square-acres. After deploying the Spartan Mosquito Eradicators, further mosquito counts were conducted at one week intervals. Mosquito counts at ground zero were reduced to one mosquito bite (or landing) per week for the duration of the 12-week test period.





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CASE STUDY: CSSAI615ISL

- Who:** Andros Beach Club & Andros Diving Owner/Operator, Jesse Leopold
- What:** Andros Beach Club Owner/Operator agreed to test Spartan Mosquito on Island
- Where:** Kemp's Bay, South Andros Island, Bahamas
- When:** Mid-June through early-September 2016
- Why:** Eradicate Mosquitos to increase livability and enjoyability of resort

Discussion:

The only proven scientific method for deducing mosquito activity is to count mosquito bites. The number of mosquito bites (or landings) and their times are recorded over a certain period of time by a certified researcher.

South Andros Island in the Bahamas is notorious for oppressive mosquito populations across the entire island. The day zero, ground zero counts for the South Andros property were beyond record-keeping capacity. Spartan Mosquito deployed enough eradicators to effectively control mosquitoes for six square-acres. Three weeks after deployment, Spartan recorded a zero mosquito count at the ground zero location.

The club owner contacted Spartan and reported that mosquitoes returned on the fourth month after deployment (beyond 90 days) and new kits were reordered and deployed.

After deploying Spartan Eradicators, Spartan received feedback from the owner and guests. A brief synopsis is as follows:

"We recently installed Spartan around our property and we noticed a swift and dramatic decrease in the mosquito population. We are able to enjoy our outdoor areas much more, and during all times of the day now, including dusk."

"This is the first time ever that we have been able to open our doors in the evening."

"I highly recommend Spartan Mosquito. Nothing we have ever tried has worked this well or this long."

"South Andros probably has the most dense mosquito population in the Bahamas. While we were there for our vacation, we didn't need to use mosquito repellent at all."





THE MOSQUITO ERADICATOR

PRODUCT OVERVIEW

The Spartan Mosquito Eradicator is the most effective, longest lasting, continuous mosquito control system. Spartan doesn't use sprays, fogs, coils, mosquito nets, citronella, electronic equipment, or zappers. The Spartan Mosquito Eradicator also doesn't require batteries or electricity, just water!

The Spartan Mosquito Eradicator is the easiest of mosquito control solutions.

- Easy to install - Hang along the property perimeter.
- Does not require power - Just add water and shake.
- Provides continuous, long range protection.
- No hazardous mists, airborne particulates, or spray-on chemicals.
- Extremely effective - Significant decrease in population within 15 days, 95% mosquito control for up to 90 days. Eradicates females and males before they can breed.
- Low cost maintenance - Just add water, shake, and replace at least every 90 days.

After the "first bite" of the season, deploy Spartan Mosquito Eradicators at approximately six feet off the ground, within 180 feet of each other, along your property line. Be sure to place the Spartan Mosquito Eradicators away from where people gather since mosquitoes will gather near the Eradicators. Once Spartan Mosquito Eradicators are deployed, they create a barrier giving the mosquitoes a target that has the same attraction triggers as people and animals. Once mosquitoes feed on the water solution they die before they can breed again. The mosquito population in the area will then decrease in 15 days or less and at least 95% of your mosquito population will cease to exist for up to 90 days.

The Spartan Mosquito Eradicator is less hazardous than spray-on repellent, it takes 10 minutes to set up, and it lasts up to 90 days. It is shipped directly to you and its simplicity makes it perfect for residential, governmental, and commercial use.



LESS EFFECTIVE MOSQUITO CONTROL MEASURES

There are several other ways to decrease the mosquito population, but are they equally reliable and effective?

SPRAY SERVICES



Expensive. Intermittent.

SPRAY-ON REPELLENTS



Limited duration. Direct contact with skin.

BUG ZAPPERS



Ineffective against mosquitoes

CANDLES & CORE



Limited Range. Wind dependent.

SPARTAN MOSQUITO

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EFFECTIVENESS

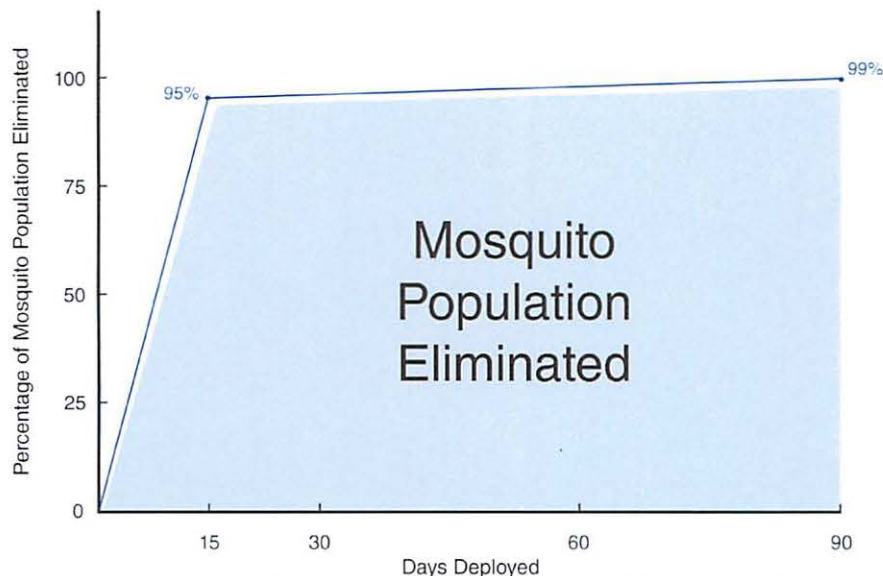
Spartan Mosquito Eradicators are extremely effective in controlling and decimating mosquito populations. They eliminate active "hunting" mosquitoes, many of which are females preparing to lay eggs. Once deployed, Spartan Mosquito Eradicators will work together to form a barrier to "catch" hunting mosquitoes on the way into the area using the same attraction triggers as people and animals. Mosquitoes that feed will perish and are not able to reproduce. The mosquito population will suffer dramatically in the first 15 days, and will be 95% controlled for up to 90 days.

If the Spartan Mosquito Eradicators are placed late in the year after the mosquito population has blossomed, extra kits will need to be placed and it may take a little more time to bring the population under control.

Fill levels are marked on the Spartan Mosquito Eradicators. Eradicators placed in dry climates may need to be monitored more often due to excess evaporation. Water evaporating will not harm the effectiveness of the Eradicators as long as water levels are between the fill and water level low marks on the Spartan Mosquito Eradicators. Placing them in shade will reduce water evaporation.

SPARTAN MOSQUITO ERADICATOR POPULATION CONTROL

Percentage of Mosquito Population
Eliminated in an up to 90-day Period



Each Spartan Mosquito Eradicator is designed to last up to 90 days under normal conditions.





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SPRAY SERVICES AND MISTING DEVICES

Spray services are intermittently effective, expensive, and their recurrent costs add up over time. Plus, they can be potentially harmful.

The American Mosquito Control Association, a scientific/educational, not-for-profit group that is devoted to the suppression of mosquitoes, does not endorse the use of timed-misting systems. They put unnecessary pesticides in the environment that kill non-target insects and promote resistance in insect populations.

BUG ZAPPERS

Bug zappers have been proven ineffective in killing mosquitoes. Studies have shown that they fail to attract mosquitoes, and instead kill thousands of bugs that are harmless and necessary to the ecosystem, such as moths and fireflies.

LANTERNS, CANDLES, AND TORCHES

Candles and torches emit smoke to confuse and ward off mosquitoes. They have limited effective radiuses (they normally claim up to 15 feet but sometimes have an effective radius of six to seven feet when the air is still) and are subject to winds and breezes, rendering them close to useless.

AEROSOL AND PUMP SPRAY-ON REPELLENTS

Spray-on repellent used on the skin is a summertime go-to to provide temporary protection, but finding one that isn't full of harmful chemicals can be challenging. Synthetic repellents containing the DEET chemical compound have been used for over 50 years, but they do have shortcomings. Any spray containing organic solvents has the capability to dissolve certain plastics, and can also be an environmental pollutant. So while spray-on repellents can be temporarily effective in warding off local mosquitoes, they do not decrease the mosquito population, only work for a short amount of time, and can pollute the environment.

Forget about unpleasant and ineffective sprays, repellents, candles, and costly monthly spray services. Do not settle for odors, inhalable airborne particulates, or applying chemicals directly to skin and clothes. Instead invest in an effective, continuous solution.

Provide an environment that is safer from mosquito bites and mosquito-born diseases, and eradicates mosquito populations for up to 90 days. Invest in Spartan Mosquito Eradicators.

